

Primer sequences for target genes

---

Primer name	sequence
Parkin (F)	5'-GCTGACCAGTTGCGTGTGA-3'
Parkin (R)	5'-GTGAACAATGCTCTGCTGATCC -3'
PINK1 (F)	5'-CCCAAGCAACTAGCCCCTC-3'
PINK1 (R)	5'-GGCAGCACATCAGGGTAGTC-3'
KIF23 (F)	5'-TGTGGCTAATCCCTTGGTCAA-3'
KIF23 (R)	5'-AGAACCAGTCATTGTGTGAGTTT-3'
GAPDH (F)	5'-TGACTTCAACAGCGACACCCA-3'
GAPDH (R)	5'-CACCTGTTGCTGTAGCCAAA-3'

---

Supplementary table 1

---

Interference target sequence and shRNA sequence of mRNA for KIF23

---

	Sequence
(21198)-KD-1	Target sequence: 5'-AACGACATAACTTACGACAAA-3'  shRNA Sequence: 5'-AACGACATAACTTACGACAAAactcgagT- TTGTCGTAAGTTATGTCGTT-3'
(21199)-KD-2	Target sequence: 5'-GCGGAAGTGACTCAAGAAGTT-3'  shRNA Sequence: 5'-GCGGAAGTGACTCAAGAAGTTctcgagA- ACTTCTTGAGTCACTTCCGC-3'
(21200)-KD-3	Target sequence: 5'-GGTGGACAATCTGTTCAGTTT-3'  shRNA Sequence: 5'-GGTGGACAATCTGTTCAGTTTctcgagA- AACTGAACAGATTGTCCACC-3'

---

Supplementary table 2